

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. **062002-1751**First Inventor **Martin, et al.**Title **Method and Apparatus for Low Energy Electron Enhanced Etching or Substrates in an AC or DC Plasma Environment**Express Mail Label No. **EL797949191US**PRO
05/15/01
U 103 009 955972**APPLICATION ELEMENTS**

See MPEP Chapter 600 concerning utility patent application contents

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231 APPLICANT REQUESTS EARLY PUBLICATION UNDER 37 CFR 1.219 (additional fee)

1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)	[Total Pages 26]			7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input checked="" type="checkbox"/> Applicant claims small entity status.				8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
3. <input checked="" type="checkbox"/> Specification [preferred arrangement set forth below]				a. <input type="checkbox"/> Computer Readable Copy (CRF)
- Descriptive title of the invention				b. <input type="checkbox"/> Specification Sequence Listing on:
- Cross References to Related Applications				i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or
- Statement Regarding Fed. Sponsored R&D				ii. <input type="checkbox"/> Paper
- Reference to sequence listing, a table, or a computer program listing appendix				c. <input type="checkbox"/> Statements verifying identity of above copies
- Background of the Invention				
- Brief Summary of the Invention				
- Brief Description of the Drawings (if filed)				
- Detailed Description				
- Claim(s)				
- Abstract of the Disclosure				
4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113)	[Total Sheets 6]			9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & Documents(s))
5. Oath or Declaration	[Total Pages 5]			10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney
a. <input checked="" type="checkbox"/> Executed (COPY)				11. <input type="checkbox"/> English Translation Document (if applicable)
b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR §1.63(d)) (for continuation/divisional with Box 17 completed)				12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations
i. <input type="checkbox"/> DELETION OF INVENTOR(S)	Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).			13. <input checked="" type="checkbox"/> Preliminary Amendment
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76				14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
Assignee Name and Address (if applicable) Georgia Tech Research Corporation 400 Tenth Street, Centennial Research Building Atlanta, Georgia 30332-0415				15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)
				16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
				17. <input type="checkbox"/> Other: _____

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)of prior application No: **08/932,025****Prior application information: Examiner Olsen, A****Group / Art Unit: 1746**

For CONTINUATION OR DIVISIONAL APPS only: the entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label

24504

(Insert Customer No. or Attach bar code label here)

or Correspondence address below

NAME	Scott A. Horstemeyer; Reg. No. 34,183 Thomas, Kayden, Horstemeyer & Risley, L.L.P.		
ADDRESS	100 Galleria Parkway Suite 1750		
CITY	Atlanta	STATE	Georgia
COUNTRY	U.S.A.	TELEPHONE	770-933-9500
ZIP CODE	30339-5948		
FAX	770-951-0931		

Name (Print/Type)

Michael J. Tempel

Registration No. (Attorney/Agent)

41,344

Signature

Date
05/15/01

Under the Paperwork Reduction Act, 995 no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL

for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ 395.00)

Complete If Known	
Application Number	To Be Assigned
Filing Date	May 15, 2001
First Named Inventor	Martin, et al.
Examiner Name	To Be Assigned
Group / Art Unit	To Be Assigned
Attorney Docket No.	062002-1751

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge to the following Deposit Account.

Deposit Account Number	20-0778
Deposit Account Name	Thomas, Kayden, Horstemeyer Risley

Charge all indicated fees and any additional fee required or credit any overpayment.

Charge any additional fee required and requested to credit any overpayment. Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:

Check Money Order Credit Card

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105	130	205	Surcharge - late filing fee	
127	50	227	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	Non-English specification	
147	2,520	147	For filing a request for reexamination	
112	920*	112	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	Requesting publication of SIR after Examiner action	
115	110	215	Extension for reply within first month	
116	390	216	Extension of time within second month	
117	890	217	Extension of time within third month	
118	1,390	218	Extension of time within fourth month	
128	1,890	228	Extension of time within fifth month	
119	310	219	Notice of Appeal	
120	310	220	Filing a brief in support of an appeal	
121	270	221	Request for oral hearing	
138	1,510	138	Petition to institute a public use proceeding	
140	110	240	Petition to revive - unavoidable	
141	1,240	241	Petition to revive - unintentional	
142	1,240	242	Utility issue fee (or reissue)	
143	440	243	Design issue fee	
144	600	244	Plant issue fee	
122	130	122	Petitions to the Commissioner	
123	50	123	Petitions related to provisional applications	
126	180	126	Submission of Information Disclosure Stmt.	
581	40	581	Recording each patent assignment per property (time number of properties)	40
146	710	246	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	Request for Continued Examination (RCE)	
169	900	169	Request for expedited examination of a design application	

2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	17	-20** = 0	9.00 = 0
Independent Claims	2	-3** = 0	40.00 = 0
Multiple Dependent			270.00 = 0

**or number previously paid, if greater; For Reissue, see below

Large Entity Fee Code (\$)	Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103	18	203	Claims in excess of 20
102	80	202	Independent Claims in excess of 3
104	270	204	Multiple dependent claims in excess of 3
109	80	209	**Reissue independent claims over original patent
110	18	210	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)			(\$355)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) 40

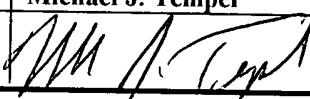
SUBMITTED BY

Typed or Printed Name

Michael J. Tempel

Complete (if applicable)

Signature



Date

05/15/01

Deposit Account User ID

41,344

05-16-01
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTS

In re: Martin, et al.

For: Method and Apparatus for Low Energy Electron Enhanced Etching or Substrates in an AC or DC
Plasma Environment

CERTIFICATE OF EXPRESS MAIL



11033 U.S. PTO
09/855972
05/15/01

Assistant Commissioner for Patents
BOX: Patent Application
Washington, D.C. 20231

Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard
Utility Patent Application Transmittal Page
Fee Transmittal Page
Utility Patent Application Consisting Of:
20 Pages of Specification
5 Pages of Claims
1 Pages of Abstract
6 Pages of Formal Drawings
Assignment (EXECUTED COPY)
Assignment Cover Sheet
Combined Declaration and Power of Attorney (EXECUTED
COPY)
Verified Statement (Declaration) Claiming Small Entity Status -
Non-Profit Organization (EXECUTED COPY)
Preliminary Amendment
Amendment Transmittal Letter
Check in the amount of \$395.00 for Application and Assignment
recording fees

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees
required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

Michael J. Tempel

THOMAS, KAYDEN, HORSTEMEYER
& RISLEY, L.L.P.
100 Galleria Parkway, N.W.
Suite 1750
Atlanta, Georgia 30339-5948

Our Docket No: 062002-1751

I hereby certify that all correspondences listed above are being deposited for delivery to the above
addressee, with the United States Postal Service "EXPRESS MAIL POST OFFICE TO
ADDRESSEE" service under 37 CFR §1.10 on the date indicated below:
The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee"
Package # EL797949191US.

Date: May 15, 2001

Gloria L. Knox